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Llanelly Rural District Council



Annual Report

of the

Medical Officer of Health

for the

Year ending 31st December, 1960

Llanelly Mercury

1961.

Llanelly Rural District Council

*With the
Medical Officer of Health's
Compliments*

*Public Health Dept.
Council Offices,
Castle Buildings,
Llanelly.*

Llanelly Rural District Council

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LLANELLY RURAL DISTRICT COUNCIL

PUBLIC HEALTH COMMITTEE

H. M. EDWARDS, B.Sc. (*Chairman*).

BRINLEY THOMAS, J.P.

ALBERT BOWEN, J.P.

J. G. RODGE,

EDGAR THOMAS, J.P.

J. E. R. ALFORD.

T. O. JONES, B.A.

Mrs. C. E. BEASLEY, B.A.

W. J. EAVES.

T. E. WILLIAMS.

D. R. EDWARDS.

C. McLOUGHLIN.

D. W. JAMES.

C. JENKINS.

HERBERT JAMES.

H. HUGHES, B.A.

PUBLIC HEALTH STAFF

Medical Officer of Health :

E. H. B. HOPKINS, M.R.C.S., L.R.C.P., D.P.H.

Chief Public Health Inspector :

A. V. ROWLANDS, M.A.P.H.I., D.P.A.

Inspector of Meat and Other Foods.

Public Health Inspectors and Inspectors of Meat and other
Foods :

T. J. BIBBS, M.A.P.H.I.

S. L. MORRIS, M.A.P.H.I.

Chief Clerk :

W. O. G. RODERICK.

Clerks :

D. T. REES, M.R.I.P.H.H.

C. J. C. EVANS, A.B.I.

Rodent Officer :

T. L. SADLER.

Student Public Health Inspector :

C. P. WILLIAMS.

Junior Clerk :

Miss B. DAVIES.

**REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE
YEAR 1960**

Mr. Chairman, Madam and Gentlemen,
Llanelly Rural District Council.

Mr. Chairman and Gentlemen,

I beg to submit my Report for the year 1960 on the health administration of the Rural District.

In doing so, I would like to thank the Chairman and Councillors for their assistance and kindness during the year.

I am,

Your obedient Servant,

E. H. B. HOPKINS,
Medical Officer of Health.

Public Health Department,
Castle Buildings,
Llanelly.

SECTION A.

SUMMARY OF VITAL AND MORTAL STATISTICS FOR
YEAR 1960

Area of Rural District	.....	.....	.....	51,367 acres
Llanedy	.....	.....	5,680 acres	
Llanelly Rural	.....	.....	15,060 acres	
Llangennech	.....	.....	2,396 acres	
Llannon	.....	.....	10,612 acres	
Pembrey	.....	.....	14,778 acres	
Pontyberem	.....	.....	2,851 acres	
Population (1951 census)	.....	.....	.....	37,266
Population (Registrar General's Estimated mid-year 1960)	.....	.....	.....	39,240
Density (persons per acre)	.....	.....	.....	1.31
Dwelling Houses in Rural District inhabited at end of 1960	.....	.....	.....	12,316
Rateable Value (as at 1st April, 1960)	.....	.....	.....	£408,703
Product of 1d. Rate (as at 31st March, 1960)	£1,621 0s. 11s

Live Births :

Males 341	Females 302	Total 643
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Deaths :

Males 300	Females 204	Total 504
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Deaths (65 and over) :

Males 185	Females 146	Total 331
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Still Births :

Males 8	Females 5	Total 13
---------	-----------	----------

Deaths of Infants under one year :

Males 5	Females 6	Total 11
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Deaths of Infants under four weeks (Neonatal Deaths) :

Males 4	Females 6	Total 10
---------	-----------	----------

There were 19 illegitimate live births—6 males ; 13 females.

No. of Illegitimate infant deaths under 1 year—Nil.

Birth and Death Rates for 1960 :

		Llanelly Rural			Rate for England and Wales
	No.	Crude Rate	Ad- justed Rate		
Live Births and Rate per 1,000 population	643	16.39	16.06		17.1
Still Births and rate per 1,000 live and still births	13	19.73	—		19.7
Total live and still births	656	—	—		—
Infant Mortality and rate per 1,000 live births—legitimate	11	17.60	—		21.7
(Infant Deaths and Mortality rate per 1,000 live births)	11	17.11	—		—
Infant Mortality rate per 1,000 live births—illegitimate	Nil	Nil	—		—
Neo-natal Mortality Rate per 1,000 live births (Deaths under 4 weeks)	10	15.54	—		15.6
Early Neo-natal Mortality : (Deaths under 1 week) No. and rate per 1,000 total live births :					
Males	3				
Females.....	6				
	— 9	14.0	—		—
Perinatal Mortality Rate : (Still births and deaths of infants under 1 week) No. and rate per, 1,000 live and still births :					
Males	13				
Females.....	11				
	— 24	36.59	—		—
Illegitimate live births—percent- age of total live births	19	2.95	—		—
Maternal Mortality rate per 1,000 1,000 live and still births	1	1.52	—		.39
Deaths and rate per 1,000 popula- tion	504	12.84	15.66		11.5

Live Births :

Adjusted birth rates for 1959 and 1960 were 15.07 and 16.05 respectively.

Still Birth Rate for 1959 and 1960 were 21.10 and 19.73.

Nett Deaths from stated causes at various ages under 1 year of age :

Cause of Death.	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1—3 months	3—6 months	6—9 months	9—12 months	Total under 1 year
Intracranial	—	—	—	—	—	—	—	1	—	—
Prematurity	3	—	—	—	—	—	—	—	—	—
Retroperitoneal Heamorrhage	1	—	—	—	—	—	—	—	—	—
Atelectasis	1	—	—	—	—	—	—	—	—	—
Anencephaly	2	—	—	—	—	—	—	—	—	—
Pneumonia	—	1	—	—	—	—	—	—	—	—
Pulmonary syndrome	1	—	—	—	—	—	—	—	—	—
Totals	8	1	—	—	—	—	—	1	—	—

174 of the births (26.52% of the total births) took place at home, within the Rural District.

Infants Deaths according to age and place of death :

Age of Infant	Place of Death		
	In Hospital	At Home	Total
Under 1 week	7	1	8
1—2 weeks	1	—	1
2—3 weeks	—	—	—
3—4 weeks	—	—	—
Over 4 weeks	—	—	—
	8	1	9

INFANT MORTALITY RATES FOR THE LAST 8 YEARS

Year	Infant Mortality		Neo-Natal Mortality	
	R.D.	England and Wales	R.D.	England and Wales
1953	44.44	26.8	35.19	17.7
1954	43.65	25.5	25.79	17.7
1955	29.93	24.9	21.12	17.3
1956	45.54	23.8	30.96	16.9
1957	33.73	23.1	18.55	16.5
1958	43.38	22.5	33.44	16.2
1959	31.51	22.0	24.88	15.8
1960	17.11	21.7	15.55	15.6

Year	Total No. of Births	(A) No. of Still Births	(B) No. of Infant Deaths under 1 year	(C) No. of Neo-natal Deaths	Deaths of Infants 1 months—12 months	A & B	A & C
1953	549	9	24	19	5	33	28
1954	518	14	23	13	10	37	27
1955	586	18	17	12	5	35	30
1956	554	20	25	17	8	45	37
1957	616	23	20	11	9	43	34
1958	610	12	26	20	6	38	32
1959	616	13	19	15	4	32	28
1960	656	13	11	10	1	24	23

It gives me satisfaction to report that the still birth and infant mortality rates for the R.D.C. fell to below the corresponding national rates for the first time.

CAUSES OF DEATH IN THE LLANELLY RURAL AREA IN 1960

REGISTRAR GENERAL'S STATISTICS

		All Ages		
Causes of Death		M.	F.	Total
1	Tuberculosis—Respiratory system	2	—	2
2	Tuberculosis—other forms	—	—	—
3	Syphilitic Disease	—	—	—
4	Diphtheria	—	—	—
5	Whooping Cough	—	—	—
6	Meningococcal Infection	—	—	—
7	Acute Poliomyelitis	—	—	—
8	Measles	—	—	—
9	Other Infective and Parasitic Disease	1	1	2
10	Malignant Neoplasm, stomach	9	5	14
11	Malignant Neoplasm, Lung Bronchus	15	—	15
12	Malignant Neoplasm, Breast	—	9	9
13	Malignant Neoplasm, Uterus	—	2	2
14	Other Malignant and Lymphatic Neoplasms	20	16	36
15	Leukaemia, aleukaemia	2	4	6
16	Diabetes	2	2	4
17	Vascular lesions of nervous system	35	36	71
18	Coronary Disease, angina	82	22	104
19	Hypertension with heart disease	4	5	9
20	Other heart disease	21	35	56
21	Other circulatory Diseases	16	17	33
22	Influenza	—	1	1
23	Pneumonia	7	3	10
24	Bronchitis	11	3	14
25	Other Diseases of the Respiratory System	30	1	31
26	Ulcer of stomach and duodenum	3	2	5
27	Gastritis, enteritis and diarrhoea	—	1	1
28	Nephritis and nephrosis	—	3	3
29	Hyperlasia of prostate	3	—	3
30	Pregnancy, childbirth, abortion	—	1	1
31	Congenital malformation	1	3	4
32	Other defined and ill-defined diseases	17	23	40
33	Motor Vehicle accidents	3	4	7
34	All other accidents	11	5	16
35	Suicide	5	—	5
36	Homicide and operations of war	—	—	—
All Causes		300	204	504

Included in the above are :—

Deaths from Pneumoconiosis	23
Deaths contributed by Pneumoconiosis	15
Deaths from Silicosis	1
Deaths contributed by Silicosis	2

Causes of Death for the past ten years

	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Cancer	58	62	55	63	69	73	60	65	75	82
Scarlet Fever	—	—	—	—	—	—	—	—	—	—
Diphtheria (including Mem- braneous Croup)	—	—	—	—	—	—	—	—	—	—
Typhoid Fever	—	—	—	—	—	—	—	—	—	—
Puerperal Fever	—	1	—	—	—	1	—	—	—	1
Measles	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	1	—	1	—	—	—	—
Diarrhoea and Dysentery	—	4	4	2	—	1	2	2	2	1
Rheumatic Fever	—	—	—	—	—	—	—	—	—	—
Phthisis	15	6	7	7	11	5	3	4	4	2
Bronchitis and Pneumonia	15	21	38	38	32	33	25	36	36	24
Cardiovascular Disease	155	184	187	215	236	207	208	215	220	273
Injuries	12	17	11	18	22	14	23	21	18	23
All other causes	211	123	109	108	99	113	130	102	98	98
Totals	466	418	411	452	469	447	451	445	453	504

The main causes of death in the Rural District during 1959 and 1960 were as follows :—

		1959	1960
1. Cardiovascular conditions	220	48.12%	273 54.16%
2. Cancers of various kinds	75	16.55%	82 16.27%
3. Respiratory diseases (ex- cluding Tuberculosis cluding Tuberculosis and Cancer	65	14.34%	55 10.91%
4. Accidents	15	3.31%	23 4.56%

Four deaths were due to accidents in the home.

The Home Help Service, although performing much useful work in the performance of essential duties of the household, leaves much to be accomplished in the way of other needs of the aged and chronic sick. There is considerable scope for voluntary work in this sphere.

The population as estimated by the Registrar General has increased from 37,266 at the time of the 1951 Census to an estimated mid-year population for 1960 of 39,240.

The adjusted birth rate for the district is lower than that for England and Wales, whilst the death rate is higher.

Comparative figures for cancer deaths are as follows :—

	Llanelly Rural				England and Wales			
	No. of Deaths M. F. Total			Rate per 1,000 popula- tion	No. of Deaths M. F. Total			Provis- ional Rate per 1,000 popula- tion
Cancer of Lung and Bronchus	15	—	15	.38	18876	3116	21992	.481
Other Cancer	29	32	61	1.55	33882	42187	76069	1.676

Cancer :

It is now recognised that chronic irritation over a long period can cause cancer at the sight of the irritation. The elimination of external irritants and adequate treatment of chronic conditions should considerably decrease the number affected by this disease. The effect of cigarette tobacco in the aetiology of cancer of the lung is now well established.

Not so well known is the fact that 20,000 cancer cures a year occur in the country. Early diagnosis and treatment increase the chances of complete cure, and these facts should encourage people to seek early advice and prompt treatment.

Diphtheria Immunisation

The striking reduction in the number of deaths due to diphtheria from 2,000 per annum to the present figure speaks for itself as to the value of immunisation.

It is only by maintaining a high percentage of immunisation in the community that the danger of an epidemic due to diphtheria can be avoided. With the annual number of births approximately 600 one would wish to see a higher number of immunisations per annum than the present figure, which is the lowest for many years.

Diphtheria and Whooping Cough immunisation are both given at the County Clinics.

Diphtheria immunisation figures in Llanelly Rural District during 1953—1960 :—

Year	Ages in Years		Boosters	Total	No. of Immunisations in ages 0—5 years as percentage of total live births
	0—5	5—15			
1953	338	119	603	1060	62.60
1954	295	4	6	305	58.53
1955	324	74	653	1054	57.04
1956	418	155	733	1306	78.28
1957	262	17	5	284	44.18
1958	361	2	8	371	60.34
1959	354	4	13	371	58.70
1960	178	9	61	248	27.68

Whooping Cough Vaccination

Number combined with Diphtheria Immunisation.....	168
Total	168

The importance of Immunisation is shown from the figures for deaths from, and notifications of diphtheria for England and Wales since 1948 :—

Year.	Deaths.	Notifications.
1948	156	3575
1949	84	1890
1950	49	962
1951	33	664
1952	32	376
1953	23	266
1954	9	173
1955	11	161
1956	8	63
1957	6	43
1958	—	61
1959	—	—
1960	5	52

Small Pox :

No cases of small pox were notified in the area during the year. Experiences in other parts of the country emphasise the need for vaccination against small pox.

1,150 children under one year were vaccinated in Carmarthenshire during the year. This is estimated as 50.88 of the number of registered births for the year. It will be seen that there is considerable room for improvement.

Poliomyelitis :

No case of poliomyelitis was notified during the year.

Immunisation was continued during the year, the following being the statistics for the whole county :—

School Children :

No. who received a full course of two injections	.....	1932
No. who received one injection	.....	35

Persons between 15 and 25 years :

No. who received a full course of two injections	.....	829
No. who received one injection	.....	25

Expectant Mothers :

No. who received a full course of two injections	297
--	-------	-----

Others :

No. who received a full course of two injections	947
--	-------	-----

Since the extension of the course to include a third injection, 21,940 persons have received this additional injection.

Scarlet Fever :

16 cases were reported during the year, a decrease of two as compared with 1959. The diseases continue to be mild; Streptococcal sore throats were prevalent in some areas during the year.

Whooping Cough :

60 cases were notified during the year as compared with 14 in 1959.

Measles :

There were 264 cases of measles reported during the year as compared with 175 in 1959. The disease was mainly mild and there were few complications.

Dysentery :

65 cases of dysentery were notified during the year. Investigations of these cases and their contacts resulted in the isolation of the following :—

Pseudomonas Pyocyanea in one case.

Shigella Sonne in ten cases.

Salmonella Typhimurium in two cases.

There was no evidence to connect any of the cases investigated with food poisoning.

INFECTIOUS AND OTHER NOTIFIABLE DISEASES DURING 1960

	Scarlet Fever		Whooping Cough		Measles		Dysentery	
	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified....	10	6	30	42	139	125	38	29
Final Numbers after correction :—								
Under 1 year	—	—	2	5	1	3	1	—
1—5 years	—	—	13	17	73	67	8	7
5—9 years	6	5	10	8	65	52	7	4
10—14 years	4	1	3	12	—	2	4	2
15—24 years	—	—	—	—	—	1	6	3
25—44 years	—	—	1	—	—	—	12	13
45—64 years	—	—	—	—	—	—	—	—
65 and over	—	—	—	—	—	—	—	—
Age unknown	—	—	1	—	—	—	—	—
Total (all ages)	10	6	30	42	139	125	38	29
Pneumonia								
Numbers originally notified....	....	....	....	....	....	....	11	5
Final Numbers after correction :—								
Under 5 years	....	....	....	....	....	....	2	—
5—14 years	....	....	....	....	....	....	—	—
15—44 years	....	....	....	....	....	....	3	1
45—64 years	....	....	....	....	....	....	2	2
65 and over	....	....	....	....	....	....	3	1
Age unknown....	....	....	....	....	....	....	1	1
(Total all ages)	....	....	....	....	....	....	11	5

In addition one case of Puerperal Pyrexia and one case of Ophthalmia Neonatorum were notified.

OPHTHALMIA NEONATORUM, 1960

Ophthalmia Neonatorum	Cases			Vision Un- Impaired	Vision Impaired	Total Blind- ness	Deaths
	Notified	Treated					
		At Home	In Hospital				
	1	1	—	1	—	—	—

TUBERCULOSIS

Age Periods	New Cases Reported				Deaths Reported			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female	Male	Female	Male	Female
Under 5 yrs	1	—	—	—	—	—	—	—
5—14	3	2	—	—	—	—	—	—
15—24	5	2	—	—	—	—	—	—
25—44	4	2	—	1	1	—	—	—
45—64	1	—	1	—	1	—	—	—
65 and upwards	1	—	—	—	—	—	—	—
Age Unknown	—	—	—	—	—	—	—	—
	15	6	1	1	2	—	—	—

TUBERCULOSIS

Table showing notifications and number of deaths from Tuberculosis over past 40 years :—

	New Cases.				Deaths.			
	No. of new cases Notified		Rate per 1,000 population		Number of deaths		Rate per 1,000 population	
	Respiratory	Non-Respiratory	Respiratory	Non-Respiratory	Respiratory	Non-Respiratory	Respiratory	Non-Respiratory
1913	40	16	1.3	.5	20	16	.6	.5
1923	70	32	1.8	.9	31	16	.9	.45
1933	39	12	1.0	.3	29	7	.8	.2
1934	68	14	1.8	.4	21	6	.6	.2
1935	59	17	1.6	.5	36	6	.9	.2
1936	52	13	1.4	.4	36	7	.9	.2
1937	59	10	1.6	.3	25	8	.7	.3
1938	35	13	.9	.4	21	3	.6	.09
1951	42	15	1.2	.4	15	1	.4	.03
1952	51	12	1.3	.3	6	2	.15	.05
1953	32	20	.8	.5	7	2	.2	.05
1954	41	11	1.1	.3	7	—	.18	—
1955	29	16	.74	.4	11	1	.28	—
1956	43	5	1.09	.13	5	—	.13	—
1957	28	5	.72	.13	3	1	.08	.03
1958	19	8	.48	.20	3	—	.08	—
1959	18	6	.46	.15	4	1	.10	.03
1960	21	2	.53	.05	2	—	.05	—

The number of new cases of Tuberculosis again showed a slight decrease on previous years.

The treatment of Tuberculosis patients is undertaken by the Regional Hospital Boards and the Chest Physicians.

Enquiries regarding the domiciliary care of Tuberculous patients should be addressed to the County Medical Officer of Health.

The County Council will assist in the domiciliary care of tuberculous and other patients, by the provision on loan or otherwise, of beds, bedding, sickroom equipment and home help assistance. In addition, sleeping out shelters are available for certain tuberculous patients.

Assistance is granted in necessitous cases towards the cost of the travelling expenses of relatives visiting long stay patients in hospitals and sanatoria. In practice it has been found that the great majority of applications for assistance have been relatives of tuberculous patients.

Assistance is granted for visits to hospitals and sanatoria which are not less than 40 miles from the residence of the applicant, and is subject to the following conditions :—

- (a) That there is urgent reason for the visit because of the patients' serious condition, or that the visit would in medical opinion do the patient good and aid response to treatment.
- (b) That because of the length of the journey, the relatives concerned are unable to afford it from their own resources without substantial hardship.
- (c) That subject to (a) above, assistance is restricted to one relative every month or two relatives every two months, unless a senior member of the Medical Staff of the Hospital certified that more frequent visits are essential on account of the patient's serious condition.

Mass Radiography :

In conjunction with the Welsh Regional Hospital Board, a Mass Radiography unit visited some local works and I would like to thank the management and staff for their ready co-operation in ensuring the success of these visits.

A new arrangement for Mass Radiography Units came into force in 1960. Mass Radiography services are available at the new Hospital in Singleton Park, Swansea, daily, and at Llanelly Market on Mondays.

Arrangements are also likely to be made for periodic visits to works and other sites in the area as soon as the facilities available permit this to be done.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

Laboratory Facilities :

(a) An arrangement is in operation for the bacteriological examination of pathological specimens, milk sample and ice-cream samples, at the Public Health Laboratory, Carmarthen.

(b) Water Analysis.—This work is carried out by the County Analyst's Laboratory, Carmarthen, and by the Public Health Laboratories, Carmarthen and Swansea.

Part III. of the services of the National Health Service Act, 1946, are administered in the area by the Carmarthenshire County Council.

The British Red Cross Society has a Loan Depot at Lucania Buildings, Llanelly, where a limited supply of household and sick-room appliances are made available. The Depot is open Monday to Friday from 6.30—7.30 p.m. Equipment for home nursing may also be obtained from the Health Department of the Carmarthenshire County Council.

CHILD WELFARE CLINICS :

Place.	Where Held.	When Held.	Times.
Felinfoel	The Aelwyd, Penygaer	Thursdays (fortnightly)	2-4 p.m.
Furnace	Saron Vestry	Wednesdays	„ 2.30-4.30 p.m.
Llangennech	Salem Vestry, Afon Rd.	Tuesdays	„ 2-4.30 p.m.
Llwynhendy	New Clinic, Llwynhendy Road		
Pontyates	Welfare Hall	Wednesdays	„ 2-4 p.m.
Pontyberem	Public Hall	Wednesdays	„ 2.30-5 p.m.
Pwll	Salem Chapel Vestry	Wednesdays	„ 2.30-4 p.m.
Trimsaran	Workmen's Institute	Tuesdays	„ 2-4 p.m.
Tumble	Welfare Pavilion	Tuesdays	„ 2.30-4.30p.m.

ANTE-NATAL CLINICS :

Llangennech	Salem Vestry, Afon Rd.	Wednesdays (weekly)	9.30-12 noon
Pontyates	Welfare Hall	Wednesdays (weekly)	9.30-12 noon
Cross Hands	Public Hall	Thursdays (weekly)	10-12 noon
Llanelly	The Clinic, Goring Road	Tuesdays (weekly)	9.30-12 noon
Ammanford	The Clinic, Ammanford	Thursdays (weekly)	9.30-12 noon and 2-4 p.m.

CHEST CLINIC :

Llanelly	Bay View, Capel Road	Daily	9.30-12 noon and 2-4 p.m.
		Saturday	9-12 noon

HOSPITALS

The West Wales Isolation Hospital for the treatment of Infectious diseases and certain number of cases of Tuberculosis, is situated within the area.

Local Hospitals :

There are four local hospitals, the Llanelly General Hospital of 160 beds ; the Bryntirion Hospital of 154 beds, and the Glasfryn Maternity Hospital of 12 beds.

Cilymaenllwyd with 43 beds has been used as a pre-convalescent hospital. It has proved of immense value and as a result the surgical waiting list at the General Hospital has been very considerably reduced.

Plans are being made for extensions to the Llanelly General and Bryntirion Hospitals, aimed mainly at improving the quality of the medical services available.

Family Guidance Clinic :

Under arrangements with the County Council a Clinic is held at the Nursing Institute, Goring Road, Llanelly, twice monthly for married women requiring advice on Birth Control on medical grounds. Medical Practitioners requiring the attendance of patients at the Clinic are required to send full particulars under confidential cover, to the Medical Officer of Health.

Distribution of Welfare Foods :

National Welfare Foods which were formerly distributed by the Ministry of Food are now being distributed under the arrangements of the Carmarthenshire County Council at Clinics.

Home Help Service :

The Home Help Service is organised by the Carmarthenshire County Council.

The Home Helps are provided during the laying-in period in maternity cases where the patient has no relative available to undertake the domestic duties of the home, and also in certain cases of sickness and need. For those on National Assistance, limited domestic help can be arranged when needed through the National Assistance Board.

Mental Health Service :

The officers duly authorised to take initial proceedings under the Lunacy and Mental Treatment Act, for the provision and care and treatment of persons in the area suffering from mental illnesses are :—

Mr. D. A. John, 61, Llandafen Road, Llanelly.
Mr. Evans, 51, Trosserch Road, Llangennech.
Mr. G. Jones, 58, Margaret Street, Ammanford.

Mental Defectives :

The Carmarthenshire County Council are responsible for the ascertainment, supervision and general welfare of mental defectives.

Supervisory home visits are made by a Social Worker and Home Teachers are also employed for the home teaching of mental defectives. The Occupation Centre was opened at the Old Nevill's Foundry Offices, Ann Street, Llanelly, during 1955. Defectives who cannot be fitted into the community are referred to the Regional Hospital Board for admission to suitable institutions.

Blood Transfusion Service :

There is a small Blood Bank at the Llanelly General Hospital and the services of a Pathologist with three trained Technicians are available.

Blood Grouping and Cross Matching are part of the normal laboratory routine and a twenty-four hour service is maintained for emergencies.

Donations of blood received in Llanelly area :—

Llanelly Town Sessions	.....	.....	297
Morris Motors, Felinfoel	.....	.....	94
R.N. Stores Depot, Llangennech	.....	.....	89
Steel Company of Wales—Trostre	.....	.....	147
Carmarthen Bay Power Station	.....	.....	198
			<hr/>
			825
			<hr/>

Blood to the equivalent of 929 donations were used in the Llanelly General, Bryntirion and Glasfryn Hospitals during the period. Hospitals at Carmarthen, Morriston, Swansea, etc., also serve the needs of the area, and it should be noticed that the donations of blood in this area do not meet the needs of its sick persons.

Donations received as percentage of Blood and Plasma used :—

Llanelly Area	.....	.....	88.8
Glantawe Group Area	.....	.....	66.1
Welsh Region as whole	.....	.....	84.2

Most people can donate blood to the Blood Bank, and the amount of blood taken is quickly replaced from the body's reserve. This reserve is replaced in a matter of days.

It is hoped that when the Blood Transfusion Unit visits this area in future, it will meet with much greater response.

National Society for the Prevention of Cruelty to Children :

The local Inspector's address is 64, Felinfoel Road, Llanelly.. (Phone 3441).

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

Source of Supply.—Llynyfan has a storage capacity at the intake works of approximately 172,000,000 gallons, and the Council are under an obligation to supply 680,000 gallons of water per day as compensation water to the South West Wales Rivers Board by the Llanelly District Water Act, 1912.

The source is a natural reservoir in an isolated mountainous area. The water is subjected to a rapid coarse sand filtration and chlorination. The gathering grounds form part of the National Parks and are accessible to the general public. In spite of the high degree of purity of the water in the reservoir therefore, I consider that the risk of contaminated water being passed into the distribution system, though small, is real.

In spite of the previous reports, it is doubtful whether the actions taken so far are adequate to eliminate all risks.

Water Services :

Total consumption of water for past 10 years as follows :—

1951	.....	.....	.....	658,740,000	gallons
1952	.....	.....	.....	650,750,000	„
1953	.....	.....	.....	657,010,000	„
1954	.....	.....	.....	659,820,000	„
1955	.....	.....	.....	656,190,000	„
1956	.....	.....	.....	653,630,000	„
1957	.....	.....	.....	652,990,000	„
1958	.....	.....	.....	626,390,000	„
1959	.....	.....	.....	657,550,000	„
1960	.....	.....	.....	673,530,000	„
Total consumption for 10 years				6,546,600,000	„
Average consumption per annum				654,660,000	„
The average consumption per annum for Trades and Bulk Supplies purposes during the last 10 years was					
				377,169,900	„
Average consumption per annum for Domestic purposes was				277,490,100	„
or 760,246 gallons per day.						

The number of houses supplied with water from the public mains was 11,442, of these 4,262 were supplied by the Llanelly Borough Water Undertaking.

189 new connections were carried out during 1961 within the Llanelly Rural Water limits.

RAINFALL

I append records of rainfall as measured at Llynnyfan Waterworks and Cwmlledi Waterworks during the year, and am indebted to Mr. D. C. Samuel, your Engineer, and to Mr. A. B. Richards, the Borough Surveyor of Llanelly, for these records :—

Month.	Llynnyfan Inches	No. of Days on which Rain fell	Cwmlledi Inches	No. of Days on which Rain fell
January	10.15	16	6.51	20
February	12.42	14	5.17	17
March	3.99	10	2.92	13
April	6.61	12	4.64	14
May	3.03	7	2.61	13
June	3.93	11	2.50	15
July	7.88	22	6.58	25
August	7.06	23	7.80	22
September	6.14	14	8.48	19
October	10.67	23	7.54	26
November	18.63	27	10.03	27
December	9.08	18	6.44	26
	<hr/> 99.59	<hr/> 197	<hr/> 71.22	<hr/> 237

WATER SAMPLING

	Engineer's Department	Public Health Department
Public Water Supply :		
Llynnyfan—After Chlorination :		
No. of samples taken during the year	9	
No. satisfactory	9	
No. unsatisfactory	Nil	
Llannon :		
No. of samples taken during the year	Nil	
Private Houses :		
No. of samples taken during the year	30	30
No. satisfactory	30	20
No. unsatisfactory	Nil	10
Private Supplies :		
Satisfactory		2
Unsatisfactory		1
		1

Water Supply :**(a) Schemes completed during 1960 :**

(1) Cae'r Corin, Llanedy ; (2) Replacement of 4 in. with 6 ins. main, Bryn ; (3) $\frac{1}{2}$ in. dia. Extension Cwmbach ; (4) Penllwyn-gwyn, Bryn ; (5) Brandyway Housing Site ; (6) Clochyire to Rising Sun ; (7) Llwynocrwn Housing Site ; (8) Myrtle Hill Housing Site.

(b) Schemes under construction during 1960 :

(1) Medelfyw to Felinfoel ; (2) Herberdeg, Pontyates.

(c) Schemes awaiting approval at 31/12/60 :

(1) Bryngolau to Tygwyn ; (2) Rhydybiswail, Pontyberem ; (3) Blaenhiraeth ; (4) Cefngoleu, Llannon ; (5) Chlorinating Plant, Llynnyfan ; (6) Forest to Wernbwll, Hendy.

(d) Schemes under consideration, 31/12/60 :

None.

RIVERS AND STREAMS

The Dafen River again caused concern to the Department by reason of flooding, etc.

It would appear that little improvement can be expected until the South West Wales Rivers Board's plans for the river are put into operation.

Sewage Disposal :**(a) Schemes completed during 1960 :**

(1) Halfway and Bynea ; (2) Llethry Road, Felinfoel ; (3) Danybank, Pentrepoeth ; (4) Llwydcoed, Llannon ; (5) Parc-y-Phil, Llwynhendy ; (6) Millfield Road, Felinfoel ; (7) Diversion of Sewer, Ponthenry.

(b) Schemes under construction during 1960 :

(1) Pwll and Sandy ; (2) Tycroes.

(c) Schemes awaiting approval at 31/12/60 :

Sludge Lagoons, Bynea.

(d) Schemes under consideration at 31/12/60 :

Heol Ddu, Trimsaran.

Closet Accommodation :

No. of open midden privies	.....	.....	Nil
No. of covered midden privies	.....	.....	Nil
No. of pail closets	.....	.....	795
No. constructed during the year	.....	.....	Nil
No. of Water Closets	.....	.....	11,378
No. constructed during the year	.....	.....	127

Refuse Collection and Disposal :

Refuse collection and disposal is controlled by the Department. In the major part of the district, refuse is collected twice weekly and is disposed of by partially controlled tipping. The Hydra-Digga machine purchased last year is proving helpful in improving the control of tipping grounds. The use of open, often dilapidated receptacles by householders as dust-bins, can by no means be regarded without some trepidation. The Council have considered possibilities of providing bins to householders, but have taken no action in this matter up to the present time.

Public Health Act, 1936, Section 172.—No legal action taken.

National Health Act, 1946, Section 47 :

No action to obtain powers for the compulsory removal of persons in need of care and attention to an institution was taken during the year.

SANITARY INSPECTION OF THE AREA

Total number of inspections made in 1960	.....	7249
Number of informal notices served	.....	23
*Number complied with wholly	.....	18
*Number complied with partially	.....	6
	—	24
*Number of statutory notices served	.....	9
*Number complied with wholly	.....	6
*Number complied with partially	.....	1
	—	7

*(Inclusive of notices served in previous years).

Premises and Occupations which can be controlled by Bye-laws or Regulations.—Inspections were made regularly.

Eradication of Bed Bugs and Other Vermin :

Houses inspected during the year have generally been free from vermin. Action was found necessary in one house only.

Eradication of Ants, Flies, etc. :

56 houses were found to be infested with ants or flies and necessitated an average of three treatments per house. The main difficulties experienced here were due to infestations by cluster flies.

School.—School Kitchens and canteens have been regularly inspected and found to be generally satisfactory.

Rag Flock Act.—No premises in the district.

SECTION The four authorities in the Llanelly division share a common disinfectant for this purpose. This arrangement is proving satisfactory.

HOUSING

1. Inspection of Dwelling-Houses during the year :

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	231
(b) Number of inspections for the purpose	608
(2) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	23

2. Remedy of defects during the year without service of formal Notices :

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers :—

(a) Completed	114
(b) Partially Completed	6
	—————
	120

3. Action under Statutory Powers during the year :

(a) Proceedings under Sections 9 and 10 of the Housing Act, 1957 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	Nil
(2) Number of dwelling-houses which were repaired after service of formal notices :	
(a) By owners	Nil
(b) By Local Authorities in default of owners	Nil

(b) Proceedings under Public Health Acts :

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	9
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :	
(a) By Owners :	
Completed	6
Partially completed	1
	—

(b)	By Local Authority in default of Owners	Nil
(c)	Proceedings under Sections 16 and 17 of the Housing Act, 1957 :	
(1)	Number of dwelling-houses in respect of which Demolition Orders were made	12
(2)	Number of dwelling-houses demolished in pursuance of Demolition Orders	7
(3)	Number of Closing Orders made under Section 17 of the Housing Act, 1957.....	2
(4)	Number of Closing Orders determined	Nil
(5)	Number of undertakings accepted under Section 16 to recondition dwelling-houses	Nil
(6)	Number of houses in respect of which Cease User Undertakings were made	2
(7)	Number of houses in respect of which Cease User undertakings operative and rendered fit	Nil
(d)	Proceedings under Section 18 of the Housing Act, 1957 :	
(1)	Number of separate tenements or underground rooms in respect of which Closing Orders were made.....	Nil
(2)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenements or rooms having been rendered fit	Nil

Factories Acts, 1937-1948 :

Number of Factories registered in area	68
Inspections made by Public Health Inspectors under above Acts in relation to those Sections enforced by Local Authority	46
One notice was served under Section 9, of the Factory Act, 1937.	

Number of bakeries in area	6
Number of inspections carried out	32

Smoke and Grit Nuisance :

The main causes of complaints during the year were due to the steel industry. Thanks to the co-operation of H.M. Alkali Inspector, and of the management of these works, the causes of the nuisances are being investigated, with ^{me}ultimate aim of reducing or eliminating all nuisances, or have been eliminated. Considerable progress in eliminating the worse problems may be expected during the next year or two.

Housing :

The number of applicants for Council houses at the end of 1960 was 647 as compared with 631 at the end of 1959.

The number of houses owned by the Council is 3,082, an increase of 65 from the 1959 figures.

The distribution of houses is as follows :—

Parish	Built under		Post War Programme			Total
	Housing Act, 1919	Housing Acts, 1930-38	Houses	Prefab-ricated Bungalows	Flats	
*Llanelly Rural	54	212	980	60	2	1338
Llannon	44	49	392	10	—	405
Llanedy	36	23	226	10	—	295
*Pembrey	19	29	392	20	4	464
*Llangennech	—	56	260	—	—	316
Pontyberem	40	58	154	—	12	264
Totals	193	427	2314	100	18	3082

*Two houses were erected in each of these parishes in 1944 for occupation by Agricultural Workers.

Housing Acts, 1958-59 :

Applications for grants towards improvement works were received during the year, 103 being approved for the payment of grants to the value of £22,638. The total value of work to be carried out was £63,715.

**OCCUPIED DWELLING HOUSES IN LLANELLY RURAL
DISTRICT AT 31st DECEMBER, 1960**

Parish	Houses and Flats	Shops with Private Dwelling Accom- modation	Agri- cultural Dwelling Houses	Public Houses	TOTAL
Llanelly Rural " A "	1281	21	141	11	1454
Llanelly Rural " B "	4322	84	24	17	4447
Llannon	1353	61	98	6	1518
Pembrey	1669	31	91	17	1808
Llangennech	840	25	26	9	900
Llanedy " A "	708	21	19	9	757
Llanedy " B "	501	16	27	2	546
Pontyberem	829	15	38	4	886
	11503	274	464	75	12316

INSPECTION AND SUPERVISION OF FOOD

Registrations

The number of premises registered in accordance with Section 16 of the Food and Drugs Act, 1955, in your district are as follows :—

Butcher Shops	.....	.....	.....	28
Fish and Chip Shops	.....	.....	.....	18
Ice-Cream Manufacturers	.....	.....	.....	3
Ice-Cream dealers in pre-packed ice-cream				107

Ice-Cream Regulations

Samples of ice-cream were taken from registered manufacturers and dealers during the year and duly submitted for bacteriological examination and were placed in the following provisional grades :—

Grade 1	.....	.....	.....	.....	35
Grade 2	.....	.....	.....	.....	13
Grade 3	.....	.....	.....	.....	4
Grade 4	.....	.....	.....	.....	3

MILK AND DAIRIES REGULATIONS

No of persons registered as Distributors	58
--	-------	-------	----

Milk Sampling :

No. of samples taken during 1960	.....	.....	.....	16
No. satisfactory	.....	.....	.....	16
No. unsatisfactory	.....	.....	.....	Nil

Knacker's Yard :

A Knacker's Yard is situated within the district at Cwmbach, Upper Tumble. The premises is licenced in the name of Mr. J. B. Goodard.

Licensed Slaughterhouses in Rural District :

District	Premises	Licensee
Pontyberem	Vale View, Pontyberem	Tom Jones
Tycroes	Rhuddlan, Tycroes	I. G. Ebsworth
Hendy and Llangennech	Talyclun, Llangennech	W. J. Clement
Llwynhendy and Bynea	Techon, Llwynhendy	H. T. Jones
Llwynhendy and Bynea	Engine Fach, Bynea	J. J. Thomas
Pembrey and Pwll	Cwm, Pembrey	Hugh Thomas

The above slaughterhouses have been regularly inspected during the year. These do not as yet fully comply with the provisions of the Slaughterhouse Hygiene Regulations, 1958. A report as required by the Slaughterhouses Act, 1958, was submitted to the Ministry in September, 1960.

		Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number Killed	.....	1641	427	4766	14709	5347	—
Number Inspected	.....	1641	427	4766	14709	5347	—
1. All diseases except Tuberculosis :							
(i) Whole carcasses condemned	.....	—	9	5	47	18	—
(ii) Carcasses of which some part or organ was condemned	.....	369	217	22	1031	329	—
(iii) Percentage of the number inspected affected with diseases other than T.B.	.....	22.49	52.88	.57	7.32	6.49	—
2. Tuberculosis only :							
(i) Whole carcasses condemned	.....	—	—	—	—	—	—
(ii) Carcasses of which some part or organ was condemned	.....	—	1	—	—	—	—
(iii) Percentage of number inspected affected with T.B.	.....	—	.23	—	—	—	—

The total number of carcasses inspected for the past four years are as follows :—

1956	.....	41,341
1957	.....	39,229
1958	.....	32,280
1959	.....	35,155
1960	.....	27,890

**SUMMARY OF FOODSTUFFS CONDEMNED YEAR ENDING
31st DECEMBER, 1960**

	No. of Containers	Weight lbs. ozs.
Meat .....	.....	196 0
Canned Meats	12	80 12
Canned Fish	1	1 0
Canned Stone Fruits	8	14 8
Canned Seed Fruits	6	8 0
Canned Evaporated Milk	1	1 0

PREVENTION OF DAMAGE BY PESTS ACT, 1949

RODENT CONTROL

Rodent Control is now carried out under the provision of the above Act, one full-time operative being employed.

The number of treatments during the year were as follows :

Business Premises 19. Private Dwellings 534.
Surface Properties 5.

All the sewerage systems and the sewage disposal works in commission in your area were also tested in accordance with the prescribed method laid down in the Act and were found to be free of any infestation by rats. The refuse tips in your area were periodically treated for infestation by rodents.

NUMBER OF INSPECTIONS CARRIED OUT DURING 1960

Public Health Act :

House Inspections	170
House Reinspections	482
Water Supply	93
Drainage	491
Nuisances	225
Piggeries	40
Offensive Trades	7
Tents, Vans and Sheds	64
Public Conveniences	389
Refuse Collection	202
Refuse Tips	327
Infectious Diseases	142
Disinfection	10
Disinfestation	170

Housing Act :

House Inspections	.....	.....	.....	.....	61
House Reinspections	.....	.....	.....	.....	126
Housing Improvement Grants	.....	.....	.....	.....	219

Food and Drugs Act :

Fried Fish Shops	.....	.....	.....	.....	61
Licenced Premises	.....	.....	.....	.....	81
Butchers Shops	.....	.....	.....	.....	601
Butchers Vans	.....	.....	.....	.....	344
Canteens	.....	.....	.....	.....	31
Fish and Rabbit Vans	.....	.....	.....	.....	15
Food Preparing Premises	.....	.....	.....	.....	59
Grocers Shops	.....	.....	.....	.....	142
Ice-Cream Premises	.....	.....	.....	.....	166
Street Vendors and Hawkers	.....	.....	.....	.....	33

Other Inspections :

Factories and Workshops	.....	.....	.....	.....	46
Bakehouses	.....	.....	.....	.....	32
Rodent Control	.....	.....	.....	.....	465
Slaughterhouses	.....	.....	.....	.....	715
Dairies	.....	.....	.....	.....	64
Housing Application Investigations	.....	.....	.....	.....	309
Miscellaneous	.....	.....	.....	.....	658
House Inspections (Rent Act)	.....	.....	.....	.....	8
House Reinspections (Rent Act)	.....	.....	.....	.....	28
Smoke Nuisances	.....	.....	.....	.....	9
Petroleum Inspections	.....	.....	.....	.....	111
Watercourse Inspections	.....	.....	.....	.....	53

7249
